

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:



(A) LENGTH: 10 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature
(B) LOCATION: 10
(D) OTHER INFORMATION: /note-"Donor chromphore at the 3' T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ATGCATACGT

10

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 10 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature
(B) LOCATION: 1
(D) OTHER INFORMATION: /note-"Acceptor chromphore at the 5' T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TCAGTACGAT

10

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

ATCGTACTGA ACGTATGCAT

20

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	16 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	6
(D) OTHER INFORMATION:	/note-"Sulforhodamine 101 (Texas Red)-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

ATGTCTGACT GCAGCT

16

(2) INFORMATION FOR SEQ ID NO: 5

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	30 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	11
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	18
(C) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

ACGACCATAG TGCGAGCTGC AGTCAGACAT

30

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	29 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature	
(B) LOCATION: 11	
(D) OTHER INFORMATION: /note-"Fluorescein-labelled T nucleotide"	

(ix) FEATURE:

(A) NAME/KEY: misc-feature	
(B) LOCATION: 18	
(D) OTHER INFORMATION: /note-"Fluorescein-labelled T nucleotide"	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CGCACTATGG TCGTGAGTGT TGAGAGGCT

29

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	29 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY: misc_feature	
(B) LOCATION: 11	
(D) OTHER INFORMATION: /note-"Fluorescein-labelled T nucleotide"	

(ix) FEATURE:

(A) NAME/KEY: misc_feature	
(B) LOCATION: 19	
(D) OTHER INFORMATION: /note-"Fluorescein-labelled T nucleotide"	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

ACGACCATAG TGCGAGCCTC TGAACACTC

29

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	15 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	5
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

AGCCTCTGAA CACTC

15

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	18 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

(A) NAME/KEY:	misc_feature
(B) LOCATION:	13
(D) OTHER INFORMATION:	/note-"Fluorescein-labelled T nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CCTGCTCATG AGTCTCTC

18

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	18 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

- (A) NAME/KEY: misc_feature
- (B) LOCATION: 1
- (D) OTHER INFORMATION: /note—"Texas Red-labelled G nucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GAGAGACTCA TGAGCAGG

18

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ix) FEATURE:

- (A) NAME/KEY: misc_feature
- (B) LOCATION: 1
- (D) OTHER INFORMATION: /note—"The 5' G nucleotide separates the terminal Texas Red (TR) acceptor from its primary donor, fluorescein (F)"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

GGAGACTCAT GAGCAGGGGC TAGC

24